

CLAIMS

1. A method of diagnosing transformation of a cell,  
comprising determining whether p21 is:
  - a) complexed with a cyclin kinase, a cyclin, or  
5 both, or
  - b) not complexed with a cyclin kinase, a cyclin, or  
both,  
wherein if p21 is not complexed with a cyclin kinase,  
a cyclin, or both, it is indicative of transformation  
10 of the cell.
2. A method of Claim 1, wherein an antibody is used to  
determine whether or not p21 is complexed with a  
cyclin kinase, a cyclin, or both.  
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3. A method of Claim 1, wherein the cyclin is a D-type  
cyclin or an A-type cyclin and the cyclin kinase is  
CDK4.
- 20 4. A method of diagnosing transformation of a cell,  
comprising determining whether p16 is
  - a) complexed with a cyclin kinase, or
  - b) not complexed with a cyclin kinase,  
wherein if p16 is complexed with a cyclin kinase, it  
25 is indicative of transformation of the cell.
5. A method of Claim 4, wherein an antibody is used to  
determine whether or not p16 is complexed with a  
cyclin kinase.  
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6. A method of Claim 4, wherein the cyclin kinase is  
CDK4.

7. A method of diagnosing transformation of a cell,  
comprising determining whether p19 is
  - a) complexed with a cyclin, or
  - b) not complexed with a cyclin, wherein is p19 is

5           complexed with a cyclin, it is indicative of  
            transformation of the cell.
8. A method of Claim 7, wherein an antibody is used to  
determine whether or not p19 is complexed with a  
10          cyclin.
9. A method of Claim 7, wherein the cyclin is cyclin A.